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Diversity of the Macrolepidoptera from a "Bosco Palazzi" area in a woodland of *Quercus trojana* Webb., in southeastern Murgia (Apulia region, Italy) (Insecta: Lepidoptera)

S. Bella, P. Parenzan & P. Russo

Abstract

This study summarises the known records of the Macrolepidoptera species of the "Bosco Palazzi" area near the municipality of Putignano (Apulia region) in the Murgia mountains in southern Italy. The list of species is based on historical bibliographic data along with new material collected by other entomologists in the last few decades. A total of 207 species belonging to the families Cossidae (3 species), Drepanidae (4 species), Lasiocampidae (7 species), Limacodidae (1 species), Saturniidae (2 species), Sphingidae (5 species), Brahmaeidae (1 species), Geometridae (55 species), Notodontidae (5 species), Nolidae (3 species), Euteliidae (1 species), Noctuidae (96 species), and Erebidae (24 species) were identified. *Cyclophora quercimontaria* (Bastelberger, 1897) (Geometridae) is reported for the first time from Apulia region and in southern Italy. With this research, the authors highlight the importance of conservation of the remaining areas wooded with *Quercus trojana* Webb. in southern Italy.
KEY WORDS: Insecta, Lepidoptera, *Quercus trojana*, faunistics, conservation, Apulia region, Italy.

Diversità dei Macrolepidoptera dell'area di "Bosco Palazzi", foresta a *Quercus trojana* Webb. nelle Murge di sud-est (regione Apulia, Italia) (Insecta: Lepidoptera)

Riassunto

Nel presente lavoro vengono riassunte le conoscenze sui Macrolepidoptera dell'area denominata "Bosco Palazzi", nel comune di Putignano (Bari, regione Apulia), nel complesso montuoso delle Murge, in Italia meridionale. Sono stati accorpati e studiati i dati storici desunti dalla bibliografia, con quelli di nuovo materiale proveniente da raccolte effettuate nell'area nelle ultime decadi. In totale sono state rinvenute 207 specie, appartenenti alle famiglie: Cossidae (3 specie), Drepanidae (4 specie), Lasiocampidae (7 specie), Limacodidae (1 specie), Saturniidae (2 specie), Sphingidae (5 specie), Brahmaeidae (1 specie), Geometridae (55 specie), Notodontidae (5 specie), Nolidae (3 specie), Euteliidae (1 specie), Noctuidae (96 specie), ed Erebidae (24 specie). *Cyclophora quercimontaria* (Bastelberger, 1897) (Geometridae) è segnalata per la prima volta in Apulia e in Italia meridionale. Questa ricerca evidenzia l'interesse dell'ecosistema studiato e l'importanza della conservazione delle aree rimanenti boschive con *Quercus trojana*Webb. in Italia meridionale.
PAROLE CHIAVE: Insecta, Lepidoptera, *Quercus trojana*, faunistica, conservazione, regione Apulia, Italia.

Diversidad de los Macrolepidoptera del área de "Bosco Palazzi" en un bosque de *Quercus trojana* Webb., en el sudeste de Murgia (región de Apulia, Italia) (Insecta: Lepidoptera)

Resumen

Este estudio resume los registros conocidos de los Macrolepidoptera del "Bosco Palazzi" área cercana de la municipalidad de Putignano (región de Apulia) en las montañas de Murgia en el sur de Italia. La lista de especies está basada en los datos bibliográficos históricos, al mismo tiempo con el nuevo material colectado por otros entomólogos en

las últimas décadas. Se identificaron un total de 207 especies pertenecientes a las familias Cossidae (3 especies), Drepanidae (4 especies), Lasiocampidae (7 especies), Limacodidae (1 especie), Saturniidae (2 especies), Sphingidae (5 especies), Brahmaeidae (1 especies), Geometridae (55 especies), Notodontidae (5 especies), Nolidae (3 especies), Euteliidae (1 especie), Noctuidae (96 especies) y Erebidae (24 especies). *Cyclophora quercimontaria* (Bastelberger, 1897) (Geometridae) se cita por primera vez de la región de Apulia y en sur de Italia. Los autores, tienen la esperanza de que esta investigación colaborará en la protección del medio ambiente de las áreas arboladas con *Quercus trojana* Webb. en el sur de Italia.
PALABRAS CLAVE: Insecta, Lepidoptera, *Quercus trojana*, faunística, conservacion, región de Apulia, Italia.

Introduction

This research was carried out as part of a larger project for a better understanding of the faunistics, zoogeography, and distribution of the Lepidoptera of southeastern Italy. The fauna of the Apulia region is of considerable interest for its paleogeographic history and its position next to the Balkan Peninsula. In this paper, we summarised the knowledge of the Macrolepidoptera Heterocera species of the "Bosco Palazzi", an interesting area in the Apulia region in southern Italy, for the presence of *Quercus trojana* Webb. woodland.

The Macedonian oak *Quercus trojana* is native to southeastern Europe and southwestern Asia, from southeastern Italy through the southern Balkans towards western Turkey. In Italy, the Macedonian oak, Fragno in Italian, is present only in two very limited areas, in the Apulia and Basilicata regions on limestone hills in the Murge mountains (FRANCINI-CORTI, 1967). This species grows on land with particularly thermophilic conditions, and presence in the southeastern Italy is the result of the gradual withdrawal of the species during the last ice age from a much larger territory (BOZZANO & TUROK, 2002). Protection of habitats with the Italian populations of *Q. trojana* is still insufficient, and we strongly suggest concrete future actions by the local administration for the conservation of the species.

Due to the research on Lepidoptera carried out in Apulia by the second author in the last three decades, the knowledge of Heterocera has increased significantly (PARENZAN, 1994, 1995, 2002; PARENZAN & SCALERCIO, 1996; PARENZAN & PORCELLI, 2007; PARENZAN *et al.*, 2006), even though many aspects are certainly yet to be discovered.

Materials and methods

Samplings were carried out in the Apulia region (southern Italy), in a *Quercus trojana* woodland, the Bosco Palazzi, in the municipality of Putignano, in Bari province, 380 m a.s.l.

The list of species is based on material collected in the years 1985-1987, historical bibliographic data and data inedits.

Moths were collected at mercury light traps (160 W), positioned approximately 1.50 m above the ground. The data have been compared with available published records of regional presence. The bibliographic data on the moths included in this study are those referring to the site called "Bosco Petruzzi", adjacent to "Bosco Palazzi". Species were identified based on the morphology of adults and when necessary on an examination of the genitalia. Reported specimens are stored in the author's collection. In each species the number of specimens collected/observed is reported in brackets. The presence/absence in the different months of the year, bibliographic sources for the Italian distributions, and the occurrence in Apulia are included for the most interesting species. The treatment of families and nomenclature follow van NIEUKERKEN *et al.* (2011), that of the Noctuoidea follow ZAHIRI *et al*. (2011, 2012); the species are listed in alphabetical order (KARSHOLT & NIEUKERKEN, 2013).

Results

List of species

Clade Macroheterocera Chapman, 1893

Superfamily Cossoidea Mosher, 1916
Family Cossidae Leach, 1815
Subfamily Cossinae Leach, 1815

Cossus cossus (Linnaeus, 1758)
New records: 11-14-VII-1986 (2).

Parahypopta caestrum (Hübner, 1808)
New records: 17-21-IX-1985 (1); 6-10-VI-1986 (4), 16-22-VI-1986 (3), 13-16-IX-1986 (1); 21-22-VI-1987 (1), 3-7-VII-1987 (4), 12-16-VII-1987 (3), 17-19-VII-1987 (1), 20-22-VII-1987 (1).

Subfamily Zeuzerinae Boisduval, 1828

Zeuzera pyrina (Linnaeus, 1761)
New records: 14-15-VI-1985 (1), 2-4-VII-1985 (1), 19-21-VII-1985 (1), 26-29-VII-1985 (1), 10-12-VIII-1985 (4), 13-15-VIII-1985 (1); 16-22-VI-1986 (1), 23-27-VI-1986 (2), 11-14-VII-1986 (1), 28-VI-2-VII-1986 (2); 3-4-VI-1987 (3), 12-16-VII-1987 (8), 17-19-VII-1987 (1).

Superfamily Drepanoidea Boisduval, 1828
Family Drepanidae Boisduval, 1828
Subfamily Drepaninae Boisduval, 1828

Cilix glaucata (Scopoli, 1763)
New records: 2-4-VII-1985 (2), 19-21-VII-1985 (1), 13-16-IX-1985 (1); 27-IV-2-V-1986 (1), 6-10-VI-1986 (5), 23-27-VI-1986 (2), 11-14-VII-1986 (2), 8-12-IX-1986 (1), 17-19-IX-1986 (1); 24-30-V-1987 (1), 3-7-VII-1987 (2).

Watsonalla uncinula (Borkhausen, 1790)
New records: 11-14-VII-1986 (3).

Subfamily Thyatirinae Smith, 1893

Cymatophorina diluta (Denis & Schiffermüller, 1775)
IX-X-1985; IX-X-1986 (Parenzan, 1995).
Remark: in Apulia region known only from Quasano, and Bosco Palazzi (Bari province) (PARENZAN, 1995).

Polyploca ridens (Fabricius, 1787)
New records: 24-31-III-1986 (1), 10-IV-1986 (2).

Superfamily Lasiocampoidea Harris, 1841
Family Lasiocampidae Harris, 1841
Subfamily Pinarinae Kirby, 1892
Tribe Pinarini Kirby, 1892

Pachypasa otus (Drury, 1773)
22-24-VII-1986 (PARENZAN & PORCELLI, 2007).

Tribe Gastropachini Neumoegen & Dyar,1893

Gastropacha quercifolia (Linnaeus, 1758).
New records: 16-22-VI-1986 (2), 11-14-VII-1986 (4).

Subfamily Lasiocampinae Harris, 1841

Lasiocampa quercus (Linnaeus, 1758)
New records: 3-6-IX-1985 (3), 10-12-IX-1985 (1); 8-12-IX-1986 (1).

Lasiocampa trifolii (Denis & Schiffermüller, 1775)
17-19-IX-1986 (PARENZAN & PORCELLI, 2007).
New records: 7-9-IX-1985 (2), 10-12-IX-1985 (1), 13-16-IX-1985 (2), 17-21-IX-1985 (1); 8-12-IX-1986 (1), 13-16-IX-1986 (2), 20-24-IX-1986 (3).

Subfamily Malacosomatinae Aurivillius, 1927

Malacosoma neustria (Linnaeus, 1758)
5-7-VII-1996 (PARENZAN & PORCELLI, 2007).
New records: 12-13-VI-1985 (83), 18-20-VI-1985 (85), 26-28-VI-1985 (24), 2-4-VII-1985 (2); 6-10-VI-1986 (87), 11-15-VI-1986 (33), 16-22-VI-1986 (96), 23-27-VI-1986 (33), 28-VI-2-VII-1986 (5), 23-25-IX-1986 (25); 1-10-VI-1987 (19), 22-25-VI-1987 (145), 3-7-VII-1987 (78), 12-16-VII-1987 (3), 17-19-VII-1987 (2).

Subfamily Poecilocampinae Tutt, 1902

Poecilocampa alpina (Frey & Wullschlegel, 1874)
17-19-IX-1986 (PARENZAN & PORCELLI, 2007).
New records: 24-30-XI-1985 (4); 3-11-I-1986 (2), 20-25-I-1986 (2), 27-I-2-II-1986 (1).

Trichiura crataegi (Linnaeus, 1758)
8-18-X-1985 (PARENZAN & PORCELLI, 2007).

Superfamily Zygaenoidea Latreille, 1809
Family Limacodidae Duponchel, 1845
Subfamily Limacodinae Duponchel, 1845

Apoda limacodes (Hufnagel, 1766)
New records: 22-23-V-1985 (2), 3-4-VI-1985 (3); 6-10-VI-1986 (2), 11-22-VI-1986 (2).

Superfamily Bombycoidea Latreille, 1802
Family Saturniidae Boisduval, 1837
Subfamily Saturniinae Boisduval, 1837

Saturnia pavoniella (Scopoli, 1763)
3-IV-1989 (PARENZAN & PORCELLI, 2007).

Saturnia pyri (Denis & Schiffermüller, 1775)
New records: 20-21-V-1985 (1); 27-IV-2-V-1986 (2); 24-30-V-1987 (2).

Family Sphingidae Latreille, 1802
Subfamily Sphinginae Latreille, 1802

Agrius convolvuli (Linnaeus, 1758)
New records: 10-11-VI-1985 (1); 27-IV-2-V-1986 (6).

Subfamily Macroglossinae Harris, 1839
Tribe Macroglossini Harris, 1839

Macroglossum stellatarum (Linnaeus, 1758)
New records: 28-VI-02-VII-1986 (5).

Hemaris fuciformis (Linnaeus, 1758)
11-V-1983 (PARENZAN *et al.*, 2006).
Remarks: this is the only locality known for the Apulia region. In Italy it is present in the central-northern regions, and in Calabria, Sicily and Sardinia.

Subfamily Smerinthinae Grote & Robinson, 1865

Laothoe populi (Linnaeus, 1758)
New records: 16-17-V-1985 (1), 19-21-VII-1985 (3).

Marumba quercus (Denis & Schiffermüller, 1775)
5-7-VII-1996 (PARENZAN & PORCELLI, 2007).
New records: 27-29-V-1985 (2), 10-13-VI-1985 (4), 14-17-VI-1985 (5), 21-22-VI-1985 (1), 26-28-VI-1985 (4); 6-10-VI-1986 (1), 16-22-VI-1986 (2), 23-27-VI-1986 (1), 28-VI-02-VII-1986 (1), 23-25-IX-1986 (2); 03-07-VII-1987 (2), 12-16-VII-1987 (1).

Family Brahmaeidae Swinhoe, 1892

Lemonia taraxaci (Denis & Schiffermüller, 1775)
3-13-X-1985; 30-IX-1986 (PARENZAN & PORCELLI, 2007).
New records: 25-28-IX-1987 (3).

Superfamily Geometroidea Leach, 1815
Family Geometridae Leach, 1815
Subfamily Alsophilinae Herbulot, 1962

Alsophila aescularia (Denis & Schiffermüller, 1775)
New records: 16-22-II-1986 (3).
Remark: second place of Apulia, known only from Parco delle Pianelle (province of Taranto) (PARENZAN, 1994).

Subfamily Ennominae Duponchel, 1845
Tribe Aspitatini Duponchel, 1845

Aspitates ochrearia (Rossi, 1794)
New records: 22-25-VIII-1986 (1), 20-24-IX-1986 (2); 24-30-V-1987 (1).

Tribe Bistonini Pierce, 1914

Agriopis bajaria (Denis & Schiffermüller, 1775)
12-18-I-1986 (PARENZAN, 1994).

Agriopis marginaria (Fabricius, 1777)
II-1986 (PARENZAN, 1994).

Apocheima hispidaria (Denis & Schiffermüller, 1775)
New records: 16-22-II-1986 (3).

Apochima flabellaria (Heeger, 1833)
8-XII-1985- I-1986 (PARENZAN, 1994).
New records: 21-XI-4-XII-1985 (2); 27-I-2-II-1986 (1).

Biston strataria (Hufnagel, 1767)
III-1986 (PARENZAN, 1994).

Erannis defoliaria (Clerck, 1759)
15-29-XII-1985 (PARENZAN, 1994).

Lycia florentina (Stefanelli, 1882)
New records: 16-22-II-1986 (2).

Tribe Boarmiini Duponchel, 1845

Ascotis selenaria (Denis & Schiffermüller, 1775)
III-IX (PARENZAN, 1994).

Menophra japygiaria (Costa O.G., 1849)
IV-1986, 6-10, 14-20-XI-1986 (PARENZAN, 1994).

Peribatodes rhomboidaria (Denis & Schiffermüller, 1775)
IV-1986, V-1986; X-1987 (PARENZAN, 1994).
New records: 26-29-VII-1985 (2); 27-IV-2-V-1986 (6).

Peribatodes umbraria (Hübner, 1809)
V-1985 (PARENZAN, 1994).
New records: 12-13-V-1985 (2); 25-28-IX-1987 (3).

Tribe Campaeini Herbulot, 1963

Campaea honoraria (Denis & Schiffermüller, 1775)
New records: 20-21-V-1985 (1); 8-12-IX-1986 (3), 20-24-IX-1986 (1); 3-4-VI-1987 (1), 25-28-IX-1987 (7).

Tribe Ennomini Guenee, 1845

Ennomos quercaria (Hübner, 1813)
VII-1985; VI-1986, IX-1986 (PARENZAN, 1994; FLAMIGNI *et al.*, 2007).
New records: 26-28-VI-1985 (4), 2-4-VII-1985 (2), 19-21-VII-1985 (1), 6-9-VIII-1985 (1); 11-15-VI-1986 (1), 26-IX-1986 (2); 22-25-VI-1987 (1), 3-7-VII-1987 (9), 20-22-VII-1987 (2).

Tribe Epionini Bruand, 1846

Opisthograptis luteolata (Linnaeus, 1758)

V-1986 (PARENZAN, 1994).
New records: 12-13-V-1985 (2), 16-17-V-1985 (1), 3-6-IX-1985 (5), 17-21-IX-1985 (2); 17-19-IX-1986 (1); 24-30-V-1987 (3).

Tribe Gnophini Guenee, 1845

Gnophos sartata Treitschke, 1827
IX-1986 (PARENZAN, 1994).
New records: 12-13-VI-1985 (3).

Tribe Gonodontini Forbes, 1948

Crocallis elinguaria (Linnaeus, 1758)
X-1987 (PARENZAN, 1994).

Crocallis tusciaria (Borkhausen, 1793)
VI-1986, X-1986, 14-20-XI-1986; X-1987 (PARENZAN, 1984; FLAMIGNI *et al.*, 2007).
New records: 21-XI-4-XII-1986 (2).

Colotois pennaria (Linnaeus, 1761)
X-1986, XII-1986 (PARENZAN, 1994).
New records: 13-XI-1985 (2), 7-XII-1985 (1); 21-XI-1986 (3), 4-XII-1986 (1).

Tribe Macariini Guenée, 1858

Enconista spodiaria (Lefèbvre 1832)
X-1987 (PARENZAN, 1994).
New records: 30-IV-2-V-1985 (3), 16-17-V-1985 (1).

Heliomata glarearia (Denis & Schiffermüller, 1775)
VIII-1986 (PARENZAN, 1994).

Rhoptria asperaria (Hübner, 1817)
VI-1985, VII-1985; IV-1986, VIII-1986, IX-1986; X-1987 (PARENZAN, 1994).
New records: 5-7-VII-1986 (1), 22-24-VII-1986 (4).

Subfamily Geometrinae Stephens, 1829
Tribe Comostolini Inoue, 1961

Eucrostes indigenata (de Villers, 1789)
VIII-1986 (PARENZAN, 1994).
New records: 20-22-VII-1987 (3).

Tribe Pseudoterpnini Warren, 1893

Pseudoterpna coronillaria (Hübner, 1817)
IV-1986, IX-1986 (PARENZAN, 1994).
New records: 16-17-V-1985 (1), 19-21-VII-1985 (2), 26-29-VII-1985 (1), 3-5-VIII-1985 (2); 11-14-VII-1986 (1), 22-24-VII-1986 (1), 7-VIII-1986 (1), 13-IX-1986 (4), 20-24-IX-1986 (1); 24-30-V-1987 (2).

Tribe Thalerini Herbulot, 1963

Thalera fimbrialis (Scopoli, 1763)
New records: 28-VI-2-VII-1986 (3).

Subfamily Larentiinae Duponchel, 1845
Tribe Cidariini Duponchel, 1845

Coenotephria ablutaria (Boisduval,1840)
IX-X-1986 (PARENZAN, 1994).

Coenotephria salicata (Denis & Schiffermüller, 1775)
III-V-VIII-IX-1986 (PARENZAN, 1994).
New records: IV-1986 (3); X-1987 (1), XI-1987 (4).

Tribe Eupitheciini Pierce, 1914

Eupithecia abbreviata Stephens,1831
10-IV-1986 (HAUSMANN & PARENZAN, 1990; PARENZAN, 1994).
Remark: in Apulia region known only from this locality.

Eupithecia insigniata (Hübner, 1790)
26-IV-1989 (PARENZAN, 1994).

Tribe Larentiini Duponchel, 1845

Earophila badiata (Denis & Schiffermüller, 1775)
8-VIII-1986 (PARENZAN *et al.*, 1998).

Larentia clavaria (Haworth, 1809)
17-19-IX-1986 (PARENZAN & PORCELLI, 2007).

Tribe Xanthorhoini Pierce, 1914

Camptogramma bilineata (Linnaeus 1758)
New records: 29-31-VII-1986 (1); 20-22-VII-1987 (5).

Nycterosea obstipata (Fabricius, 1794)
X-1986 (PARENZAN, 1994).

Xanthorhoe oxybiata (Millière, 1872)
11-17-X-1987 (PARENZAN & PORCELLI, 2007).

Xanthorhoe vidanoi Parenzan & Hausmann, 1994
X-1987 (PARENZAN, 1994).
Remark: in Apulia region known only from this locality.

Subfamily Sterrhinae Meyrick, 1892
Tribe Cosymbiini Prout, 1911

Cyclophora porata (Linnaeus, 1767)

IV-1986, 30-VI-1986, IX-1986 (PARENZAN, 1994).

New records: 12-13-VI-1985 (1), 2-4-VII-1985 (2); 16-22-VI-1986 (2), 23-27-VI-1986 (3), 28-VI-2-VII-1986 (1); 1-10-VI-1987 (1), 3-7-VII-1987 (2), 8-11-VII-1987 (3), 12-16-VII-1987 (2), 17-19-VII-1987 (2).

Cyclophora puppillaria (Hübner, 1799)

IV-1986, VII-1986 (PARENZAN, 1994).

New records: 12-13-V-1985 (1), 16-17-VI-1985 (2), 21-22-VI-1985 (4), 26-28-VI-1985 (19), 2-4-VII-1985 (7), 19-21-VII-1985 (6), 6-9-VIII-1985 (1); 4-5-VII-1986 (1), 11-14-VII-1986 (2), 22-24-VII-1986 (3), 13-16-IX-1986 (1), 23-25-IX-1986 (4); 24-30-V-1987 (1), 1-10-VI-1987 (3), 22-25-VI-1987 (1), 3-7-VII-1987 (7), 8-11-VII-1987 (22), 12-16-VII-1987 (2), 20-22-VII-1987 (3), 25-28-IX-1987 (2).

Cyclophora quercimontaria (Bastelberger, 1897)

New records: 23-27-VI-1986 (10); 3-7-VII-1987 (2).

Remark: this is the first record for Apulia region, and southern Italy.

Cyclophora suppunctaria (Zeller, 1847)

VII-1986, VIII-1986, IX-1986 (PARENZAN, 1994).

Tribe Idaeini Butler, 1881

Idaea consolidata (Lederer, 1853)

3-6-VIII-1986 (PARENZAN & HAUSMANN, 1992; PARENZAN, 1994).

Remark: in Apulia region known from Bosco Palazzi, and Serra degli Angeli (Lecce province) (PARENZAN & HAUSMANN, 1992). In southern Italy known only for another record in Calabria region: Tortora (PARENZAN *et al.*, 1999)

Idaea degeneraria (Hübner, 1799)

IX-1986 (PARENZAN, 1994).

Idaea distinctaria (Boisduval, 1840)

IV-VIII (PARENZAN, 1994).

Idaea elongaria (Rambur, 1833)

VII-1986, VIII-1986 (PARENZAN, 1994).

Idaea filicata (Hübner, 1799)

VIII-1986, IX-1986 (PARENZAN, 1994).

New records: 20-23-V-1985 (16), 21-22-VI-1985 (1), 3-5-VIII-1985 (1), 10-12-VIII-1985 (3), 26-30-VIII-1985 (19), 3-6-IX-1985 (1), 13-16-IX-1985 (9), 22-25-IX-1985 (11); 27-IV-2-V-1986 (11), 5-7-VII-1986 (1), 29-31-VII-1986 (1), 22-25-VIII-1986 (78), 8-12-IX-1986 (25), 13-16-IX-1986 (3), 20-24-IX-1986 (5); 24-30-V-1987 (56), 3-4-VI-1987 (1), 25-28-IX-1987 (5).

Idaea infirmaria (Rambur, 1833)

3-6-VIII-1986 (PARENZAN, 1994).

Idaea obsoletaria dionigii Hausmann, 1991

VII-1986, VIII-1986 (PARENZAN, 1994).

Idaea rusticata (Denis & Schiffermüller, 1775)

VIII-1986 (PARENZAN, 1994).
New records: 26-28-VI-1985 (1), 19-21-VII-1985 (5); 23-27-VI-1986 (6), 28-VI-2-VII-1986 (1), 11-14-VII-1986 (3), 29-31-VII-1986 (3); 8-11-VII-1987 (2), 17-19-VII-1987 (2), 25-28-IX-1987 (5).

Idaea seriata (Schrank, 1802)
18-IV-1987 (as *I. albitorquata* Püngeler, 1909) (PARENZAN, 1988; PARENZAN & HAUSMANN, 1992), VIII-1986, 2-X-1991 (as *I. virgularia* Hübner, 1799) (PARENZAN, 1994). Records of *I. albitorquata* in PARENZAN (1988) must be attributed to *I. seriata* (PARENZAN & HAUSMANN, 1992).

Idaea subsericeata (Haworth, 1809)
5-7-VII-1996 (PARENZAN & PORCELLI, 2007).

Idaea typicata (Guenée, 1858)
VII-1986, VIII-1986 (PARENZAN, 1994).
New records: 5-7-VII-1996 (2).

Tribe Rhodometrini Agenjo, 1951

Rhodometra sacraria (Linnaeus, 1767)
X-1986 (PARENZAN, 1994).
New records: 2-4-VII-1985 (1), 6-9-VIII-1985 (7), 10-12-VIII-1985 (1), 26-30-VIII-1985 (4), 3-6-IX-1985 (3), 17-21-IX-1985 (1), 26-IX-1985 (1); 29-31-VII-1986 (4), 13-16-IX-1986 (7), 13-19-X-1986 (1); 8-11-VII-1987 (1), 25-28-IX-1987 (3).

Tribe Scopulini Herbulot, 1963

Scopula decorata (Denis & Schiffermüller, 1775)
New records: 2-4-VII-1985 (2).

Scopula imitaria (Hübner, 1799)
VIII-1993, IX-1993 (PARENZAN, 1994).

Scopula marginepunctata (Goeze, 1781)
VII-1986, IX-1986, X-1986 (PARENZAN, 1994).
New records: 5-7-VII-1996 (4).

Superfamily Noctuoidea Latreille, 1809
Family Notodontidae Stephens, 1829
Subfamily Heterocampinae Neumögen & Dyar, 1894

Harpyia milhauseri (Fabricius, 1775)
New records: 11-14-VII-1986 (3).

Spatalia argentina (Denis & Schiffermüller, 1775)
New records: 13-15-VIII-1985 (1); 28-VI-2-VII-1986 (1).

Subfamily Notodontinae Stephens, 1829

Cerura vinula (Linnaeus, 1758)
11-V-1984 (PARENZAN & PORCELLI, 2007).

Subfamily Phalerinae Butler, 1886

Peridea anceps (Goeze, 1781)
New records: 26-29-VII-1985 (2); 27-IV-2-V-1986 (3).

Phalera bucephaloides (Ochsenheimer, 1810)
New records: 3-7-VII-1987 (5).

Family Nolidae Bruand, 1846
Subfamily Chloephorinae Stainton, 1859
Tribe Nolini Bruand, 1846

Meganola togatulalis (Hübner, 1796)
New records: 11-14-VII-1986 (6).

Tribe Chloephorini Stainton, 1859

Bena bicolorana (Fuessly, 1775)
New records: 22-25-VIII-1986 (2).

Pseudoips prasinana (Linnaeus, 1758)
New records: 22-25-VIII-1986 (2).

Family Euteliidae Grote, 1882
Subfamily Euteliinae Grote, 1882

Eutelia adulatrix (Hübner, 1813)
New records: 3-5-VIII-1985 (2).

Family Noctuidae Latreille, 1809
Subfamily Eustrotiinae Grote, 1882

Metachrostis velox (Hübner, 1813)
New records: 11-14-VII-1986 (1), 8-12-IX-1986 (3).

Subfamily Plusiinae Boisduval, 1828
Tribe Argyrogrammatini Eichlin & Cunningham, 1978

Trichoplusia ni (Hübner, 1803)
New records: 3-7-VII-1987 (3), 12-16-VII-1987 (5).

Diachrysia chrysitis (Linnaeus, 1758)
New records: 13-16-IX-1986 (3).

Tribe Plusiini Boisduval, 1828

Autographa gamma (Linnaeus, 1758)
8-13-X-1985 (PARENZAN & PORCELLI, 2007).
New records: 26-30-VIII-1985 (9), 3-6-IX-1985 (14); 31-VIII-2-IX-1986 (3), 13-16-IX-1986 (1), 20-24-IX-1986 (2); 24-30-V-1987 (2), 25-28-IX-1987 (7).

Subfamily Acontiinae Guenée, 1841
Tribe Acontiini Guenée, 1841

Acontia lucida (Hufnagel, 1766)
New records: 20-22-VII-1987 (2).

Acontia trabealis (Scopoli, 1763)
5-7-VII-1996 (PARENZAN & PORCELLI, 2007).
New records: 18-20-VI-1985 (1), 26-28-VI-1985 (11), 2-4-VII-1985 (2), 19-21-VII-1985 (2), 13-15-VIII-1985 (2), 17-21-IX-1985 (1); 23-27-VI-1986 (1), 22-25-VIII-1986 (2); 8-11-VII-1987 (5), 12-16-VII-1987 (3), 17-19-VII-1987 (10), 20-22-VII-1987 (5).

Subfamily Acronictinae Heinemann, 1959

Acronicta aceris (Linnaeus, 1758)
New records: 20-21-V-1985 (10); 27-IV-2-V-1986 (1); 24-30-V-1987 (7).

Subfamily Metaponiinae Herrich-Schäffer, 1851

Tyta luctuosa (Denis & Schiffermüller, 1775)
5-7-VII-1986, 22-24-VII-1986, 17-19-IX-1986 (PARENZAN & PORCELLI, 2007).
New records: 27-29-V-1985 (1), 12-15-VI-1985 (4), 16-20-VI-1985 (3), 21-22-VI-1985 (1), 2-4-VII-1985 (2), 19-21-VII-1985 (2), 26-29-VII-1985 (3), 26-30-VIII-1985 (1), 3-6-IX-1985 (1), 7-9-IX-1985 (1), 17-21-IX-1985 (1); 16-22-VI-1986 (1), 23-27-VI-1986 (10), 28-VI-2-VII-1986 (4), 22-25-VIII-1986 (3), 8-12-IX-1986 (5), 13-16-IX-1986 (2), 23-25-IX-1986 (3); 24-30-V-1987 (2), 1-10-VI-1987 (2), 26-28-VI-1987 (2), 3-7-VII-1987 (2), 8-11-VII-1987 (6), 12-16-VII-1987 (5), 17-21-VII-1987 (7).

Subfamily Amphipyrinae Guenée, 1837
Tribe Psaphidini Grote, 1896

Allophyes corsica (Spuler, 1905)
28-X-1985, 30-XI-1985; 15-XI-22-XII-1987; 21-XI-1996, 4-XII-1996 (PARENZAN & PORCELLI, 2007).

Valeria oleagina (Denis & Schiffermüller, 1775)
New records: 14-15-III-1987 (1).

Subfamily Heliothinae Boisduval, 1829
Tribe Heliothini Boisduval, 1829

Heliothis peltigera (Denis & Schiffermüller, 1775)
New records: 27-IV-1986 (2), 23-27-VI-1986 (3); 13-16-IX-1987 (2).

Subfamily Bryophilinae Guenée, 1852

Bryophila rectilinea (Warren, 1909)
5-7-VII-1996 (as *Cryphia ravula* Hübner, 1813) (PARENZAN & PORCELLI, 2007).
Remarks: the records of *C. ravula* for central and southern Italy must be attributed to *B. rectilinea* (FIBIGER *et al.*, 2009). This is the only locality known for the Apulia region. In Italy it is present in the central-northern regions, and in Calabria, Sicily, and Sardinia (PARENZAN & PORCELLI, 2007).

Cryphia ochsi (Boursin, 1940)
5-7-VII-1986, 22-24-VII-1986 (PARENZAN & PORCELLI, 2007).

Nyctobrya muralis (Forster, 1771)
22-24-VII-1986 (PARENZAN & PORCELLI, 2007).
New records: 3-5-VIII-1985 (3), 6-9-VIII-1985 (7), 13-15-VIII-1985 (1); 29-31-VII-1986 (3), 22-25-VIII-1986 (3); 20-22-VII-1987 (1).

Subfamily Noctuinae Latreille, 1809
Tribe Apameini Boisduval, 1828

Apamea monoglypha (Hufnagel, 1766)
New records: 12-13-V-1985 (4); 22-25-VIII-1986 (3).

Gortyna xanthenes (Germar, 1842)
19-23-X-1985 (PARENZAN & PORCELLI, 2007).

Luperina dumerilii (Duponchel, 1826)
3-23-X-1985; 17-19-IX-1996 (PARENZAN & PORCELLI, 2007).
New records: 13-16-IX-1986 (6).

Luperina tiberina (Sohn-Rethel, 1929)
8-13-X-1985 (as *L. nickerlii* Freyer, 1845) (PARENZAN & SCALERCIO, 1996).
Remark: the reports of *L. nickerlii* for central and southern Italy are to be attributed to *L. tiberina* Sohn-Rethel, 1929 (ZILLI *et al.*, 2005).

Luperina testacea (Denis & Schiffermüller, 1775)
17-19-IX-1986 (PARENZAN *et al.*, 2006).
Remark: in Apulia region known only from this locality.

Tribe Caradrinini Boisduval, 1840

Athetis hospes (Freyer, 1831)
2-6-IX-1986 (PARENZAN & PORCELLI, 2007).

Caradrina aspersa Rambur, 1834
New records: 29-31-VII-1986 (2).

Caradrina germainii (Duponchel, 1835)
25-IX-1984 (PARENZAN, 1984).
New records: 12-25-IX-1985 (3), 3-7-X-1985 (1).
Remarks: species from western Mediterranean; in Italy known only for Tuscany, Apulia, Sicily, and Sardinia regions (PARENZAN & PORCELLI, 2008).

Charanyca trigrammica (Hufnagel, 1766)
New records: 30-IV-2-V-1985 (10), 12-13-V-1985 (4), 16-17-V-1985 (10), 20-21-V-1985 (1), 7-9-IX-1985 (1); 27-IV-2-V-1986 (9); 24-30-V-1987 (12).

Hoplodrina ambigua (Denis & Schiffermüller, 1775)
30-IX-31-X-1985; 17-19-IX-1986 (PARENZAN & PORCELLI, 2007).

Tribe Dypterygiini Forbes, 1954

Polyphaenis sericata (Esper, 1787)
5-7-VII-1996 (PARENZAN & PORCELLI, 2007).
New records: 21-22-VI-1985 (2), 26-28-VI-1985 (4), 2-4-VII-1985 (2); 6-10-VI-1986 (1), 16-22-VI-1986 (5), 23-27-VI-1986 (3), 23-25-IX-1986 (2); 1-10-VI-1987 (49), 3-7-VII-1987 (7), 12-16-VII-1987 (5), 17-19-VII-1987 (5), 20-22-VII-1987 (2).

Tribe Episemini Guenée, 1852

Cleoceris scoriacea (Esper, 1789)
30-IX-13-X-1984 (PARENZAN, 1984; PARENZAN, 1991).
Remark: in Apulia region known only from this locality.

Episema glaucina (Esper, 1789)
3-28-X-1985; 11-17-X-1987 (PARENZAN & PORCELLI, 2007).

Tribe Hadenini Guenée, 1837

Anarta trifolii (Hufnagel, 1766)
11-17-X-1987 (PARENZAN & PORCELLI, 2007).

Conisania luteago (Denis & Schiffermüller, 1775)
New records: 30-IV-2-V-1985 (1), 12-13-V-1985 (5), 16-17-V-1985 (9), 20-21-V-1985 (5); 27-IV-2-V-1986 (28); 24-30-V-1987 (23).

Hadena bicruris (Hufnagel, 1766)
25-IV-1985 (PARENZAN & PORCELLI, 2007).

Hadena confusa (Hufnagel, 1766)
New records: 27-IV-2-V-1986 (3), 30-IX-5-X-1986 (7), 13-19-X-1986 (13).

Hadena magnolii (Boisduval, 1828)
New records: 30-IV-2-V-1985 (1), 12-13-V-1985 (1), 20-21-V-1985 (2); 27-IV-2-V-1986 (4); 24-30-V-1987 (1).

Tribe Leucaniini Guenée, 1837

Leucania punctosa (Treitschke, 1825)
8-13-X-1985 (PARENZAN & SCALERCIO, 1996).

Leucania putrescens (Hübner, 1824)
17-19-IX-1986 (PARENZAN & PORCELLI, 2007).
New records: 6-9-VIII-1985 (1), 10-12-VIII-1985 (3), 13-15-VIII-1985 (2), 26-30-VIII-1985 (12), 3-6-IX-1985 (5), 10-15-IX-1985 (6); 22-25-VIII-1986 (12), 31-VIII-2-IX-1986 (3), 8-12-IX-1986 (9), 13-16-IX-1986 (3), 20-24-IX-1986 (8); 25-28-IX-1987 (3).

Mythimna albipuncta (Denis & Schiffermüller, 1775)
8-7-VII-1986, 17-19-IX-1986 (PARENZAN & PORCELLI, 2007).
New records: 12-13-V-1985 (1), 20-21-V-1985 (1), 16-17-VI-1985 (2), 26-28-VI-1985 (4); 8-12-IX-1986 (1); 23-25-IX-1986 (5); 1-10-VI-1987 (2), 8-11-VII-1987 (2), 17-19-VII-1987 (1).

Mythimna ferrago (Fabricius, 1787)

22-24-VII, 17-19-IX-1986 (PARENZAN & PORCELLI, 2007).

New records: 19-21-VII-1985 (3), 26-29-VII-1985 (2), 3-5-VIII-1985 (3), 6-9-VIII-1985 (8), 10-15-VIII-1985 (11), 26-30-VIII-1985 (1), 3-6-IX-1985 (11), 7-9-IX-1985 (3); 29-31-VII-1986 (8), 22-25-VIII-1986 (3), 8-12-IX-1986 (3), 13-16-IX-1986 (8), 13-19-X-1986 (11); 3-7-VII-1987 (4), 8-11-VII-1987 (2), 12-16-VII-1987 (1).

Mythimna l-album (Linnaeus, 1767)

23-IV-1985; 17-19-IX-1986 (PARENZAN & PORCELLI, 2007).

New records: 22-23-V-1985 (2); 30-31-V-1985 (1), 26-28-VI-1985 (1), 2-4-VII-1985 (1), 19-21-VII-1985 (1); 22-25-VIII-1986 (2), 13-16-IX-1986 (2), 23-25-IX-1986 (2); 12-16-VII-1987 (3).

Mythimna sicula (Treitschke, 1835)

New records: 23-IV-1985 (3), 26-28-VI-1985 (7), 8-13-X-1985 (2); 23-27-VI-1986 (3), 11-14-VII-1986 (1), 22-25-VIII-1986 (4), 13-16-IX-1986 (3); 24-30-V-1987 (3).

Mythimna unipuncta (Haworth, 1809)

24-31-X-1985; 21-XI-4-XII-1996 (PARENZAN & PORCELLI, 2007).

New records: 18-20-VI-1985 (1); 3-7-VII-1987 (1), 17-19-VII-1987 (1).

Mythimna vitellina (Hübner, 1808)

New records: 30-IV-2-V-1985 (1), 12-13-V-1985 (3), 16-17-V-1985 (5), 20-23-V-1985 (15), 27-29-V-1985 (2), 30-31-V-1985 (4), 3-4-VI-1985 (1), 14-15-VI-1985 (2), 3-5-VIII-1985 (7), 6-9-VIII-1985 (9), 10-15-VIII-1985 (7), 26-30-VIII-1985 (1), 3-9-IX-1985 (4); 27-IV-2-V-1986 (2), 22-25-VIII-1986 (2); 24-30-V-1987 (15), 29-31-VII-1987 (9).

Tribe Noctuini Latreille, 1809

Agrotis bigramma (Esper, 1790)

22-VIII-1985 (sub *A. crassa* Hübner, 1803) (PARENZAN & PORCELLI, 2007).

New records: 3-5-VIII-1985 (1), 10-15-VIII-1985 (22), 26-30-VIII-1985 (15), 3-6-IX-1985 (36), 7-9-IX-1985 (27), 10-12-IX-1985 (11), 17-21-IX-1985 (3); 22-25-VIII-1986 (20), 31-VIII-2-IX-1986 (6), 8-12-IX-1986 (18), 13-16-IX-1986 (1); 25-28-IX-1987 (2).

Agrotis lata Treitschke, 1835

20-22-VIII-1985 (PARENZAN, 2002).

New records: 6-9-VIII-1985 (2), 10-12-VIII-1985 (1), 3-6-IX-1985 (6), 13-15-VIII-1985 (7), 26-30-VIII-1985 (15); 22-25-VIII-1986 (1).

Agrotis ipsilon (Hufnagel, 1766)

New records: 18-20-VI-1985 (2), 6-9-VIII-1985 (2), 26-30-VIII-1985 (2), 3-6-IX-1985 (18), 7-9-IX-1985 (1), 17-21-IX-1985 (1); 6-10-VI-1986 (2), 22-25-VIII-1986 (1), 20-24-IX-1986 (1); 1-10-VI-1987 (1).

Agrotis puta (Hübner, 1803)

21-23-IV-1985 (PARENZAN & PORCELLI, 2007).

New records: 21-23-IV-1985 (7), 19-21-VII-1985 (4).

Agrotis segetum (Denis & Schiffermüller, 1775)

New records: 3-5-VIII-1985 (3).

Cerastis faceta (Treitschke, 1835)
New records: 13-19-X-1986 (3).

Cerastis rubricosa (Denis & Schiffermüller, 1775)
New records: 24-31-III-1986 (2).

Epilecta linogrisea (Denis & Schiffermüller, 1775)
New records: 19-21-VII-1985 (2).

Euxoa temera (Hübner, 1808)
18-IX-1985, 8-13-X-1985; 17-19-IX-1986 (PARENZAN & PORCELLI, 2007).

Noctua comes (Hübner, 1813)
14-18-X-1985 (PARENZAN & PORCELLI, 2007).
New records: 6-10-VI-1985 (5); 20-24-IX-1986 (4), 23-25-IX-1986 (7).

Noctua janthina (Denis & Schiffermüller, 1775)
New records: 26-28-VI-1985 (3), 19-21-VII-1985 (1); 6-9-VIII-1987 (1).

Noctua pronuba (Linnaeus, 1758)
30-IX-23-XI-1985; 17-19-IX-1986; VI-1976; 4-VI-1992; 18-24-IX-1992; 16-VI-1999 (PARENZAN & PORCELLI, 2007).
New records: 14-15-VI-1985 (1), 7-12-IX-1985 (4), 17-21-IX-1985 (5), 22-25-IX-1985 (4); 6-10-VI-1986 (2), 8-12-IX-1986 (1), 13-16-IX-1986 (2), 25-29-IX-1986 (3), 13-19-X-1986 (5); 24-30-V-1987 (1), 25-28-IX-1987 (1), 9-14-XI-1987 (1).

Noctua tirrenica Biebinger, Speidel & Hanigk, 1983
28-VI, 25-IX-1984 (PARENZAN, 1984; ZILLI, 2007); 30-IX-3-X-1985 (PARENZAN & PORCELLI, 2007).
New records: 3-7-VII-1987 (2).

Peridroma saucia (Hübner, 1808)
New records: 2-4-VII-1985 (3); 13-16-IX-1986 (2); 9-14-XI-1987 (2).

Xestia c-nigrum (Linnaeus, 1758)
New records: 3-6-IX-1985 (3).

Xestia castanea (Esper, 1798)
3-18-X-1985; 30-IX-23-X (PARENZAN & SCALERCIO, 1996; ZILLI, 2007).

Xestia xanthographa (Denis & Schiffermüller, 1775)
21-IX-31-X-1985; 17-19-IX-1986 (PARENZAN & PORCELLI, 2007).

Tribe Orthosiini Guenée, 1837

Egira conspicillaris (Linnaeus, 1758)
21-23-IV-1985 (PARENZAN & PORCELLI, 2007).

Orthosia cruda (Denis & Schiffermüller, 1775)
New records: 24-31-III-1986 (2), 10-IV-1986 (3).

Orthosia gothica (Linnaeus, 1766)
New records: 16-22-II-1986 (5).

Orthosia miniosa (Denis & Schiffermüller, 1775)
24-31-III-1986 (PARENZAN & PORCELLI, 2007).
New records: 11-15-VI-1986 (1).

Orthosia cerasi (Fabricius, 1775)
New records: 26-IX-1986 (8).

Perigrapha rorida (Frivaldszky, 1835)
20-III-1986 (PARENZAN & PORCELLI, 2007).

Tribe Phlogophorini Hampson, 1918

Phlogophora meticulosa (Linnaeus, 1758)
28-31-X-1985 (PARENZAN & PORCELLI, 2007).
New records: 27-29-V-1985 (1), 13-16-IX-1985 (3).

Tribe: Prodeniini Forbes, 1954

Spodoptera exigua (Hübner, 1808)
New records: 24-31-III-1986 (1), 22-24-VII-1986 (2); 20-X-1987 (3).

Tribe Xylenini Guenée, 1837

Agrochola helvola (Linnaeus, 1758)
14-X-23-XI-1985; 21-XI-4-XII-1986 (PARENZAN & PORCELLI, 2007).

Agrochola litura (Linnaeus, 1761)
27-X-1985 (PARENZAN & SCALERCIO 1996).
New records: 20-X-1987 (2).
Remark: in Apulia region known only of this locality.

Agrochola lychnidis (Denis & Schiffermüller, 1775)
3-X-1985; 3-I-1986 (PARENZAN & PORCELLI, 2007).
New records: 20-25-I-1986 (7), 27-I-2-II-1986 (5), 9-15-II-1986 (20), 16-22-II-1986 (12); 9-14-XI-1987 (226).

Agrochola pistacinoides (d'Aubuisson, 1867)
17-IX-1984 (PARENZAN, 1984; PARENZAN, 1991).
New records: 30-IX-1985 (8), 31-X-1985 (6).
Remark: in Apulia region known only of this locality.

Ammoconia senex (Geyer, 1828)
New records: 11-17-X-1987 (2), 9-14-XI-1987 (1).

Aporophyla australis (Boisduval, 1829)
8-X-16-XI-1985 (PARENZAN & PORCELLI, 2007).

Aporophyla canescens (Duponchel, 1826)

24-X-1986 (PARENZAN & PORCELLI, 2007).

Aporophyla lutulenta (Denis & Schiffermüller, 1775)
New records: 13-19-X-1986 (1).
Remark: in Apulia known only from San Paolo (Taranto province), 1-X, 4-XI (PARENZAN, 1979; BERIO, 1985).

Aporophyla nigra (Haworth, 1809)
8-X-16-XI-1985; 21-XI-4-XII-1986 (PARENZAN & PORCELLI, 2007).

Atethmia ambusta (Denis & Schiffermüller, 1775)
17-21-IX-1985, 25-IX-1985, 3-7-X-1985 (PARENZAN, 2002).
New records: 8-12-IX-1986 (2).
Remarks: this species in Apulia is known only from San Paolo, 18-IX-1971 (PARENZAN, 1979).
In southern Italy it is present only in Apulia, and Basilicata: fiume Camastra (Potenza province) (PARENZAN, 1979).

Conistra ligula (Esper, 1791)
24-30-XI-1985 (PARENZAN & PORCELLI, 1993).
Remark: this is the only locality known for the Apulia region.

Conistra rubiginea (Denis & Schiffermüller, 1775)
15-22-XII-1985 (PARENZAN & PORCELLI, 2007).

Conistra rubiginosa (Scopoli, 1763)
New records: 9-15-II-1986 (1), 11-14-III-1986 (2).

Conistra vaccinii (Linnaeus, 1761)
9-15-III-1985 (PARENZAN & SCALERCIO, 1996).
Remark: in Apulia known only from this locality.

Conistra veronicae (Hübner, 1813)
17-30-XI-1985; 5-11-I-1986 (PARENZAN & PORCELLI, 2007).

Dicycla oo (Linnaeus, 1758)
New records: 30-31-V-1985 (4), 10-13-VI-1985 (18), 14-17-VI-1985 (13), 18-20-VI-1985 (3), 21-22-VI-1985 (2); 6-10-VI-1986 (38), 11-15-VI-1986 (8), 16-22-VI-1986 (11), 23-27-VI-1986 (3), 23-25-IX-1986 (1); 1-4-VI-1987 (4), 22-25-VI-1987 (24), 3-7-VII-1987 (7).

Dryobotodes carbonis (Wagner, 1931)
8-X-16-XI-1985; 30-IX-23-X-1986 (PARENZAN & PORCELLI, 2007).

Dryobotodes servadeii Parenzan, 1982
17-25-IX-1984 (PARENZAN, 1984); 8-13-XI-1985 (RONKAY *et al.*, 2001).
New records: 7-IX-18-X-1985 (2).
Remark: in Italy only known from Apulia and Basilicata; its presence for Sardinia is to be verified (PARENZAN & PORCELLI, 2007).

Dryobotodes tenebrosa (Esper, 1789)
3-6-XI-1985 (PARENZAN & SCALERCIO, 1996).

Jodia croceago (Denis & Schiffermüller, 1775)
28-31-X-1985; 15-25-XI-1987 (PARENZAN & PORCELLI, 2007).

Mesogona acetosellae (Denis & Schiffermüller, 1775)
18-IX-1996 (PARENZAN & PORCELLI, 2007).

Mniotype solieri (Boisduval, 1840)
22-IX-31-X-1985 (PARENZAN & PORCELLI, 2007).
New records: 3-6-IX-1985 (1); 25-28-IX-1987 (5).

Oria musculosa (Hübner, 1808)
New records: 16-22-VI-1986 (1), 13-19-X-1986 (2).

Polymixis rufocincta (Geyer, 1828)
28-X-16-XI-1985; 21-XI-4-XII-1986; 15-XI-14-XII-1987 (PARENZAN & PORCELLI, 2007).
New records: 28-X-16-XI-1985 (2); 21-XI-4-XII-1986 (7); 15-XI-14-XII-1987 (2).

Polymixis serpentina (Treitschke, 1825)
30-IX-23-XI-1985 (PARENZAN & SCALERCIO, 1996).
New records: 11-17-X-1987 (2).

Scotochrosta pulla (Denis & Schiffermüller, 1775)
30-IX-23-X-1985 (PARENZAN & SCALERCIO, 1996).

Spudaea ruticilla (Esper, 1791)
New records: 23-IV-1985 (2), 7-XII-1985 (3); 16-22-II-1986 (6).

Trigonophora flammea (Esper, 1785)
24-X-4-XII-1985 (PARENZAN & PORCELLI, 2007).
New records: 27-29-V-1985 (7), 13-XI-1985 (1), 7-XII-1985 (4).

Xylena exsoleta (Linnaeus, 1758)
3-6-XI-1985 (PARENZAN & SCALERCIO, 1996).

Subfamily Dilobinae Aurivillius, 1889

Diloba caeruleocephala (Linnaeus, 1758)
8-14-XII-1985; 5-11-I-1986 (PARENZAN & PORCELLI, 2007).

Subfamily Oncocnemidinae Forbes & Franclemont, 1954

Stilbia faillae Püngeler, 1891
30-IX-23-X-1985; 18-22-X-1987 (PARENZAN & SCALERCIO, 1996).
Remark: in Apulia is known only from Monte Camplo (province of Taranto) (PARENZAN, 1979).

Family Erebidae Leach, 1815
Subfamily Rivulinae Grote, 1895

Zebeeba falsalis (Herrich-Schäffer 1838)
New records: 6-9-VIII-1985 (1); 11-14-VII-1986 (2), 13-16-IX-1986 (7).

Subfamily Hypeninae Herrich-Schaffer, 1851

Hypena lividalis (Hübner, 1796)
19-23-X-1985; 2-X-1991 (PARENZAN & PORCELLI, 2007).
New records: 8-12-IX-1986 (3).

Subfamily Lymantriinae Hampson, 1893
Tribe Lymantriini Hampson, 1893

Lymantria dispar (Linnaeus, 1758)
New records: 23-27-VI-1986 (7), 28.VI-2.VII.1986 (1); 3-7.VII.1987 (1), 8-11.VII.1987 (1), 12-16.VII.1987 (9), 17-19.VII.1987 (6), 20-22.VII.1987 (7).

Tribe Nygmiini Holloway, 1999

Euproctis chrysorrhoea (Linnaeus, 1758)
5-7-VII-1996 (PARENZAN & PORCELLI, 2007).
New records: 26-28-VI-1985 (3).

Tribe Orgyiini Wallengren, 1861

Ocneria rubea (Denis & Schiffermüller, 1775)
New records: 1-10-VI-1987 (1), 17-19-VII-1987 (3).

Subfamily Herminiinae Leach, 1815

Zanclognatha zelleralis (Wocke, 1850)
30-VII-1996 (PARENZAN & PORCELLI, 2007).

Subfamily Boletobiinae Guenée, 1858
Tribe Phytometrini Hampson, 1913

Colobochyla salicalis (Denis & Schiffermüller, 1775)
New records: 16-22-VI-1986 (1).

Tribe Eublemmini Forbes, 1954

Eublemma parva (Hübner, 1808)
New records: 23-27-VI-1986 (5).

Eublemma ostrina (Hübner, 1808)
New records: 29-31-VII-1986 (8).

Subfamily Arctiinae Leach, 1815
Tribe Arctiini Leach, 1815

Arctia villica (Linnaeus, 1758)
New records: 12-13-V-1985 (13), 16-17-V-1985 (20), 20-23-V-1985 (34), 25-26-V-1985 (2), 27-29-V-1985 (23), 30-31-V-1985 (6), 12-13-VI-1985 (4); 27-IV-2-V-1986 (4); 24-30-V-1987 (72), 3-4-VI-1987 (1).

Cymbalophora pudica (Esper, 1785)
17-19-IX-1986 (PARENZAN & PORCELLI, 2007).
New records: 3-6-IX-1985 (1), 17-21-IX-1985 (5).

Diaphora mendica (Clerck, 1759)
24-30-III-1986 (PARENZAN & PORCELLI, 2007).

Euplagia quadripunctaria (Poda, 1761)
New records: 29-31-VII-1986 (1).

Phragmatobia fuliginosa (Linnaeus, 1758)
New records: 13-15-VIII-1985 (1), 10-12-IX-1985 (3), 13-16-IX-1985 (7); 8-12-IX-1986 (17), 13-16-IX-1986 (3), 20-24-IX-1986 (2); 25-28-IX-1987 (4).

Spilosoma luteum (Hufnagel, 1766)
New records: 11-14-VII-1986 (3).
Remark: in Apulia known only from Gargano area (ZANGHERI, 1956; PARENZAN, 1977).

Tribe Lithosiini Billberg, 1820

Eilema caniola (Hübner, 1808)
11-17-X-1987 (PARENZAN & PORCELLI, 2007).
New records: 30-31-V-1985 (13), 3-6-IX-1985 (4), 17-21-IX-1985 (3); 6-10-VI-1986 (8), 14-15-VI-1986 (6) 23-27-VI-1986 (12), 11-14-VII-1986 (8), 22-25-VIII-1986 (4), 8-12-IX-1986 (11), 13-16-IX-1986 (8), 1-5-X-1986 (3); 24-30-V-1987 (4), 22-25-VI-1987 (9), 3-7-VII-1987 (5), 12-16-VII-1987 (3), 17-19-VII-1987 (4), 20-22-VII-1987 (3), 25-28-IX-1987 (5).

Lithosia quadra (Linnaeus, 1758)
New records: 19-21-VII-1985 (4).

Tribe Syntomini Herrich Schaffer, 1846

Dysauxes famula (Freyer, 1836)
New records: 21-22-VI-1985 (1), 10-12-VIII-1985 (2), 13-15-VIII-1985 (9); 16-22-VI-1986 (1), 22-25-VIII-1986 (32).

Dysauxes punctata (Fabricius, 1781)
20-IX-1995 (PARENZAN & PORCELLI, 2007).

Subfamily Erebinae Leach, 1815
Tribe Catocalini Boisduval, 1828

Catocala conversa (Esper, 1787)
22-24-VII-1986 (PARENZAN & PORCELLI, 2007).

Catocala nymphagoga (Esper, 1787)
5-7-VII-1986 (PARENZAN & PORCELLI, 2007).
New records: 21-22-VI-1985 (1), 26-28-VI-1985 (2), 6-9-VIII-1985 (1); 16-22-VI-1986 (3), 23-27-VI-1986 (2), 23-25-IX-1986 (5); 1-10-VI-1987 (1), 3-7-VII-1987 (1), 12-16-VII-1987 (4), 17-19-VII-1987 (5), 20-22-VII-1987 (1).

Tribe Ophiusini Guenée, 1837

Dysgonia algira (Linnaeus, 1767)

18-VI-1985; 5-7-VII-1986 (PARENZAN & PORCELLI, 2007).

New records: 2-4-VII-1985 (1), 26-29-VII-1985 (4), 6-9-VIII-1985 (3), 10-12-VIII-1985 (1), 17-21-IX-1985 (1); 6-10-VI-1986 (4), 29-31-VII-1986 (4), 22-25-VIII-1986 (4), 23-25-IX-1986 (2); 22-25-VI-1987 (1), 3-7-VII-1987 (1), 8-11-VII-1987 (1), 12-16-VII-1987 (4), 17-19-VII-1987 (3).

Grammodes stolida (Fabricius, 1775)

New records: 21-22-VI-1985 (2), 26-28-VI-1985 (1), 3-6-IX-1985 (1), 7-9-IX-1985 (1); 28-VI-2-VII-1986 (1); 1-10-VI-1987 (1), 12-16-VII-1987 (1), 17-19-VII-1987 (5), 20-22-VII-1987 (6).

Minucia lunaris (Denis & Schiffermüller, 1775)

New records: 25-26-V-1985 (2); 27-IV-02-V-1986 (1).

Concluding considerations

Based on current knowledge, about 695 species of macroheterocera are currently known in the Apulia region, belonging to 17 families, of the total of about 1996 species reported in Italy.

Table II.– Families with number of species and their presence in the months of the year in the "Bosco Palazzi" area.

Family	No. sp.	%	J	F	M	A	M	J	J	A	S	O	N	D
COSSIDAE	3	1,45						2	3	1	1			
DREPANIDAE	4	1,93			1	2	1	1	2		2	1		
LASIOCAMPIDAE	7	3,38	1	1				2	3		4	1		
LIMACODIDAE	1	0,48					1	1						
SATURNIIDAE	2	0,97				2	1							
SPHINGIDAE	5	2,42				1	4	3	3		1			
BRAHMAEIDAE	1	0,48									1	1		
GEOMETRIDAE	55	26,57	2	5	3	13	12	14	21	22	21	14	5	4
NOTODONTIDAE	5	2,42				1	2	1	4	1				
NOLIDAE	3	1,45							1	2				
EUTELIIDAE	1	0,48								1				
NOCTUIDAE	96	46,38	3	4	8	14	15	16	22	16	42	44	21	9
EREBIDAE	24	11,59			1	2	3	10	14	7	9	2		
General total	207	100	6	10	13	35	39	50	73	50	81	63	26	13

Overall, our lepidopterological surveys lead to 207 the number of macromoths currently known for the "Bosco Palazzi" area. It is interesting to note that on the total of the collected species in this locality, 100 (48,30 %) are those with larvae that feed on trees of the genus *Quercus*.

Among the most significant species found in this site, *Hemaris fuciformis* (Sphingidae), *Idaea consolidata* (Geometridae), *Atethmia ambusta*, and *Caradrina germainii* (Noctuidae) are sporadically found in southern Italy. Moreover, the geometrid *Cyclophora quercimontaria* (Bastelberger, 1897) is reported for the first time from Apulia region and in southern Italy. Among the reported species, twelve are known for the Apulia region only from Bosco Palazzi area, and others six only in one other locality.

The great natural importance of the Bosco Palazzi area is due to the presence of the Macedonian Oak, a species with an eastern origin (TRIGGIANI, 1984-85). The richness of lepidopteran species recorded should be considered a priority for the protection of this area and other fragments of woods with *Quercus trojana* in Apulia and Basilicata regions in southern Italy. The known biology of the moth

species reported in the present study should help to develop future plans for the conservation and management of the local and regional biodiversity.

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Table I.– List of families and species known from the "Bosco Palazzi" area; presence/absence in the different months of the year. New records for this area collected by the authors (NR); bibliographical citations where the species were previously reported for the investigated area. Species marked with one asterisk (*) are the first records for the Apulia region, with two asterisks (**) the first record for southern Italy, and with three asterisks (***) the species that in Apulia region are known only from Bosco Palazzi area.

	J	F	M	A	M	J	J	A	S	O	N	D	NR	Bibliographical citations
COSSIDAE														
Cossus cossus							✓						X	
Parahypopta caestrum						✓	✓		✓				X	
Zeuzera pyrina						✓	✓	✓					X	
DREPANIDAE														
Cilix glaucata				✓	✓	✓	✓		✓				X	
Watsonalla uncinula							✓						X	
Cymatophorina diluta									✓	✓				Parenzan, 1995
Polyploca ridens			✓	✓									X	
LASIOCAMPIDAE														
Pachypasa otus							✓							Parenzan & Porcelli, 2007
Gastropacha quercifolia						✓	✓						X	
Lasiocampa quercus									✓				X	
Lasiocampa trifolii									✓				X	Parenzan & Porcelli, 2007
Malacosoma neustria						✓	✓		✓				X	Parenzan & Porcelli, 2007
Poecilocampa alpina	✓	✓							✓				X	Parenzan & Porcelli, 2007
Trichiura crataegi										✓				Parenzan & Porcelli, 2007
LIMACODIDAE														
Apoda limacodes					✓	✓							X	
SATURNIIDAE														
Saturnia pavoniella				✓										Parenzan & Porcelli, 2007
Saturnia pyri				✓	✓								X	
SPHINGIDAE														
Agrius convolvuli				✓	✓	✓							X	
Macroglossum stellatarum						✓	✓						X	
Hemaris fuciformis (***)					✓									Parenzan *et al.*, 2006
Laothoe populi					✓		✓						X	
Marumba quercus					✓	✓	✓		✓				X	Parenzan & Porcelli, 2007
BRAHMAEIDAE														
Lemonia taraxaci									✓	✓			X	Parenzan & Porcelli, 2007
GEOMETRIDAE														
Alsophila aescularia		✓											X	

	J	F	M	A	M	J	J	A	S	O	N	D	NR	Bibliographical citations
Aspitates ochrearia					✓			✓	✓				X	
Agriopis bajaria	✓													Parenzan, 1994
Agriopis marginaria		✓												Parenzan, 1994
Apocheima hispidaria		✓											X	
Apochima flabellaria	✓	✓									✓	✓	X	Parenzan, 1994
Biston strataria			✓											Parenzan, 1994
Erannis defoliaria												✓		Parenzan, 1994
Lycia florentina		✓											X	
Ascotis selenaria			✓	✓	✓	✓	✓	✓	✓					Parenzan, 1994
Menophra japygiaria						✓					✓			Parenzan, 1994
Peribatodes rhomboidaria				✓	✓		✓			✓			X	Parenzan, 1994
Peribatodes umbraria					✓				✓				X	Parenzan, 1994
Campaea honoraria					✓	✓			✓				X	
Ennomos quercaria						✓	✓	✓	✓				X	Parenzan, 1994; Flamigni *et al.*, 2007
Opisthograptis luteolata					✓				✓					Parenzan, 1994
Gnophos sartata						✓			✓				X	Parenzan, 1994
Crocallis elinguaria										✓				Parenzan, 1994
Crocallis tusciaria						✓				✓	✓	✓	X	Parenzan, 1994; Flamigni *et al.*, 2007
Colotois pennaria										✓	✓	✓	X	Parenzan, 1994
Enconista spodiaria				✓	✓					✓			X	Parenzan, 1994
Heliomata glarearia								✓						Parenzan, 1994
Rhoptria asperaria				✓		✓	✓	✓	✓	✓			X	Parenzan, 1994
Eucrostes indigenata							✓	✓					X	Parenzan, 1994
Pseudoterpna coronillaria				✓	✓		✓	✓	✓					Parenzan, 1994
Thalera fimbrialis						✓	✓						X	
Coenotephria ablutaria									✓	✓				Parenzan, 1994
Coenotephria salicata			✓	✓	✓			✓	✓	✓	✓		X	Parenzan, 1994
Eupithecia abbreviata (***)				✓										Hausmann & Parenzan, 1990; Parenzan, 1994
Eupithecia insigniata				✓										Parenzan, 1994
Earophila badiata								✓						Parenzan *et al.*, 1999
Larentia clavaria									✓					Parenzan & Porcelli, 2007
Camptogramma bilineata							✓						X	
Nycterosea obstipata										✓				Parenzan, 1994
Xanthorhoe oxybiata										✓				Parenzan & Porcelli, 2007
Xanthorhoe vidanoi (***)										✓				Parenzan, 1994
Cyclophora porata				✓		✓	✓		✓				X	Parenzan, 1994
Cyclophora puppillaria				✓	✓	✓	✓	✓	✓				X	Parenzan, 1994
Cyclophora quercimontaria (*) (**)						✓	✓						X	

	J	F	M	A	M	J	J	A	S	O	N	D	N R	Bibliographical citations
Cyclophora suppunctaria							✓	✓	✓					Parenzan, 1994
Idaea consolidata								✓						Parenzan & Hausmann, 1992; Parenzan, 1994
Idaea degeneraria									✓					Parenzan, 1994
Idaea distinctaria				✓	✓	✓	✓	✓						Parenzan, 1994
Idaea elongaria							✓	✓						Parenzan, 1994
Idaea filicata				✓	✓	✓	✓	✓	✓				X	Parenzan, 1994
Idaea infirmaria								✓						Parenzan, 1994
Idaea obsoletaria dionigii								✓						Parenzan, 1994
Idaea rusticata						✓	✓	✓	✓				X	Parenzan, 1994
Idaea seriata				✓				✓		✓				Parenzan, 1988; Parenzan, 1994
Idaea subsericeata							✓							Parenzan & Porcelli, 2007
Idaea typicata							✓	✓					X	Parenzan, 1994
Rhodometra sacraria							✓	✓	✓	✓			X	Parenzan, 1994
Scopula decorata							✓						X	
Scopula imitaria								✓	✓					Parenzan, 1994
Scopula marginepunctata							✓		✓	✓			X	Parenzan, 1994
NOTODONTIDAE														
Harpyia milhauseri							✓						X	
Spatalia argentina						✓	✓	✓					X	
Cerura vinula					✓									Parenzan & Porcelli, 2007
Peridea anceps				✓	✓		✓						X	
Phalera bucephaloides							✓						X	
NOLIDAE														
Meganola togatulalis							✓						X	
Bena bicolorana								✓					X	
Pseudoips prasinana								✓					X	
EUTELIIDAE														
Eutelia adulatrix								✓					X	
NOCTUIDAE														
Metachrostis velox							✓		✓				X	
Trichoplusia ni							✓						X	
Diachrysia chrysitis									✓				X	
Autographa gamma					✓			✓	✓	✓			X	Parenzan & Porcelli, 2007
Acontia lucida							✓						X	
Acontia trabealis						✓	✓	✓	✓				X	Parenzan & Porcelli, 2007
Acronicta aceris					✓								X	
Tyta luctuosa					✓	✓	✓	✓	✓				X	Parenzan & Porcelli, 2007
Allophyes corsica										✓	✓	✓		Parenzan & Porcelli, 2007

	J	F	M	A	M	J	J	A	S	O	N	D	NR	Bibliographical citations
Valeria oleagina			✓										X	
Heliothis peltigera				✓		✓			✓				X	
Bryophila rectilinea (***)							✓							Parenzan & Porcelli, 2007
Cryphia ochsi							✓	✓					X	Parenzan & Porcelli, 2007
Nyctobrya muralis							✓	✓					X	Parenzan & Porcelli, 2007
Apamea monoglypha					✓			✓					X	
Gortyna xanthenes										✓				Parenzan & Porcelli, 2007
Luperina dumerilii									✓	✓			X	Parenzan & Porcelli, 2007
Luperina tiberina										✓				Parenzan & Scalercio, 1996
Luperina testacea (***)									✓					Parenzan *et al.*, 2006
Athetis hospes									✓					Parenzan & Porcelli, 2007
Caradrina aspersa							✓						X	
Caradrina germainii (***)									✓	✓				Parenzan, 1984
Charanyca trigrammica				✓	✓				✓				X	
Hoplodrina ambigua									✓	✓				Parenzan & Porcelli, 2007
Polyphaenis sericata						✓	✓		✓				X	Parenzan & Porcelli, 2007
Cleoceris scoriacea (***)									✓	✓				Parenzan & Porcelli, 2007
Episema glaucina										✓				Parenzan & Porcelli, 2007
Anarta trifolii										✓				Parenzan & Porcelli, 2007
Conisania luteago				✓	✓								X	
Hadena bicruris				✓										Parenzan & Porcelli, 2007
Hadena confusa				✓					✓	✓			X	
Hadena magnolii				✓	✓								X	
Leucania punctosa										✓				Parenzan & Scalercio, 1996
Leucania putrescens								✓	✓				X	Parenzan & Porcelli, 2007
Mythimna albipuncta					✓	✓	✓		✓				X	Parenzan & Porcelli, 2007
Mythimna ferrago							✓	✓	✓	✓			X	Parenzan & Porcelli, 2007
Mythimna l-album				✓	✓	✓	✓	✓	✓				X	Parenzan & Porcelli, 2007

	J	F	M	A	M	J	J	A	S	O	N	D	N R	Bibliographical citations
Mythimna sicula				✓	✓	✓	✓	✓	✓	✓			X	
Mythimna unipuncta						✓	✓			✓	✓	✓	X	Parenzan & Porcelli, 2007
Mythimna vitellina				✓	✓	✓	✓	✓	✓				X	
Agrotis bigramma								✓	✓				X	Parenzan & Porcelli, 2007
Agrotis lata								✓	✓				X	Parenzan, 2002
Agrotis ipsilon						✓		✓	✓				X	
Agrotis puta				✓									X	Parenzan & Porcelli, 2007
Agrotis segetum								✓					X	
Cerastis faceta										✓			X	
Cerastis rubricosa			✓										X	
Epilecta linogrisea							✓						X	
Euxoa temera									✓	✓				Parenzan & Porcelli, 2007
Noctua comes						✓			✓	✓			X	Parenzan & Porcelli, 2007
Noctua janthina						✓	✓	✓					X	
Noctua pronuba					✓	✓			✓	✓	✓		X	Parenzan & Porcelli, 2007
Noctua tirrenica						✓	✓		✓	✓			X	Parenzan, 1984; Zilli, 2007; Parenzan & Porcelli, 2007
Peridroma saucia							✓		✓		✓		X	
Xestia c-nigrum									✓				X	
Xestia castanea									✓	✓				Parenzan & Scalercio, 1996; Zilli, 2007
Xestia xanthographa									✓	✓				Parenzan & Porcelli, 2007
Egira conspicillaris				✓										Parenzan & Porcelli, 2007
Orthosia cruda			✓	✓									X	
Orthosia gothica		✓											X	
Orthosia miniosa			✓	✓									X	Parenzan & Porcelli, 2007
Orthosia cerasi									✓				X	
Perigrapha rorida			✓											Parenzan & Porcelli, 2007
Phlogophora meticulosa					✓				✓	✓			X	Parenzan & Porcelli, 2007
Spodoptera exigua			✓				✓			✓			X	
Agrochola helvola										✓	✓	✓		Parenzan & Porcelli, 2007
Agrochola litura (***)										✓			X	Parenzan & Porcelli, 2007

	J	F	M	A	M	J	J	A	S	O	N	D	N R	Bibliographical citations
Agrochola lychnidis	✓	✓								✓	✓		X	Parenzan & Porcelli, 2007
Agrochola pistacinoides (***)										✓	✓		X	Parenzan, 1984; Parenzan, 1991
Ammoconia senex										✓	✓		X	
Aporophyla australis										✓	✓			Parenzan & Porcelli, 2007
Aporophyla canescens										✓				Parenzan & Porcelli, 2007
Aporophyla lutulenta										✓			X	
Aporophyla nigra										✓	✓	✓		Parenzan & Porcelli, 2007
Atethmia ambusta									✓	✓			X	Parenzan, 2002
Conistra ligula (***)											✓			Parenzan & Porcelli, 1993
Conistra rubiginea												✓		Parenzan & Porcelli, 2007
Conistra rubiginosa		✓	✓										X	
Conistra vaccinii (***)			✓											Parenzan & Scalercio, 1996
Conistra veronicae	✓										✓			Parenzan & Porcelli, 2007
Dicycla oo					✓	✓	✓		✓				X	
Dryobotodes carbonis										✓	✓			Parenzan & Porcelli, 2007
Dryobotodes servadeii									✓	✓	✓		X	Parenzan, 1984; Ronkay, 2001
Dryobotodes tenebrosa											✓			Parenzan & Scalercio, 1996
Jodia croceago										✓	✓			Parenzan & Porcelli, 2007
Mesogona acetosellae											✓			Parenzan & Porcelli, 2007
Mniotype solieri									✓	✓			X	Parenzan & Porcelli, 2007
Oria musculosa						✓				✓			X	
Polymixis rufocincta									✓	✓	✓	✓	X	Parenzan & Porcelli, 2007
Polymixis serpentina									✓	✓	✓		X	Parenzan & Scalercio, 1996
Scotochrosta pulla									✓	✓				Parenzan & Scalercio, 1996
Spudaea ruticilla		✓		✓								✓	X	
Trigonophora flammea					✓					✓	✓	✓	X	Parenzan & Porcelli, 2007
Xylena exsoleta											✓			Parenzan & Scalercio, 1996

	J	F	M	A	M	J	J	A	S	O	N	D	N R	Bibliographical citations
Diloba caeruleocephala	✓											✓		Parenzan & Porcelli, 2007
Stilbia faillae									✓	✓				Parenzan & Porcelli, 2007
EREBIDAE														
Zebeeba falsalis							✓	✓	✓				**X**	
Hypena lividalis									✓	✓			**X**	Parenzan & Porcelli, 2007
Lymantria dispar						✓	✓						**X**	
Euproctis chrysorrhoea						✓	✓						**X**	Parenzan & Porcelli, 2007
Ocneria rubea						✓	✓						**X**	Parenzan & Porcelli, 2007
Zanclognatha zelleralis							✓							Parenzan & Porcelli, 2007
Colobochyla salicalis				✓									**X**	
Eublemma parva						✓							**X**	
Eublemma ostrina							✓						**X**	
Arctia villica					✓	✓							**X**	
Cymbalophora pudica									✓				**X**	Parenzan & Porcelli, 2007
Diaphora mendica			✓											Parenzan & Porcelli, 2007
Euplagia quadripunctaria							✓						**X**	
Phragmatobia fuliginosa								✓	✓				**X**	
Spilosoma luteum							✓						**X**	
Eilema caniola					✓	✓	✓	✓	✓	✓			**X**	Parenzan & Porcelli, 2007
Lithosia quadra							✓						**X**	
Dysauxes famula						✓		✓					**X**	
Dysauxes punctata									✓					Parenzan & Porcelli, 2007
Catocala conversa						✓	✓	✓	✓				**X**	Parenzan & Porcelli, 2007
Catocala nymphagoga						✓	✓	✓	✓				**X**	Parenzan & Porcelli, 2007
Dysgonia algira						✓	✓	✓	✓				**X**	Parenzan & Porcelli, 2007
Grammodes stolida						✓	✓	✓	✓				**X**	
Minucia lunaris				✓	✓								**X**	